Marine Aviation Training Transformation

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NATSAG XX

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The Transformation Roadmap … Strategy to Task

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- To remain ready to fight and win while at the same time moving toward the goals of our transformation program, we must extract maximum advantage from the resources provided and demand a higher rate of return on our investments. Our new organizations, concepts, systems and platforms are focused on delivering a combat-capable Marine Corps ready to fight and win…anytime, anywhere.

The Transformation Roadmap ... Strategy to Task

2002

CONCEPTS

- Joint Vision
- Naval Transformation Roadmap
- EMW
- Enhanced Network Seabasing
- OMFTS/STOM

TECHNOLOGIES

- V/STOL & Tiltrotor
- Stealth (RAM & LCS)
- Digitalization
- Autonomic Logistics
- Simulation

SYSTEMS

- MPF (F)
- V-22
- JSF
- HSV
- UAVs
- QTR
- CAC2S
- PADHM

2025

CAPABILITIES

- Strategic Agility
- Operational Reach
- Expeditionary
- Tactical Flexibility
- Joint & Multinational Enabling
- Support & Sustainment
- Core Competencies

Aircrew Training Systems (ATS) Vision

- **PURPOSE**
  - Initiate Aviation Training Center Concept
  - Standardized Procedures Across T/M/S
  - Enhance CRM/Flight Leadership Skills
- **MATSS, New River**
  - OPCON to CG, 2D MAW
  - Full Spectrum of Aviation Training (100 – 600)
  - Standardized Flight Traini Concurrent Simulation De
  - Interactive Multimedia Gr School Instruction

Aircrew Training Systems (ATS) Vision

- ***FUTURE ENDSTATE: 2010 --ATS Operating Throughout the Marine Corps***

- **All Aviation Simulation Devices**
- **All FRS-Based Pilot Training Courseware**
- **All Aviation Training Facilities and Adjunct Training Equipme**
- **All MAW FPT Leads**
- **Networked ACE**
- **Exercise Control**
- **Centralized Support Structure for All ATS's**
- **Joint Simulation**

Tactical Environment Network

- **The TEN Provides a Simulation Environment for Man-in-the-loop Tactical Training That Includes:**
  - **Airborne Threats**
  - **Land-based Threats**
  - **Electronic Warfare Countermeasures**
  - **Ownship Weapons**

New Simulator Procurements

FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	FY10	FY11	FY 12
KC-130J FFS Cherry Point APN4	KC-130J FFS Miramar APN4	KC-130J Futenma FFS APN4	MV-22B FTD Camp Pendleton APN1	MV-22B FTD K-Bay APN1	UH-1Y FTD New River APN1			AH-1Z FTD New River APN1
AH-1Z FTD Camp Pendleton APN1	MV-22B FTD New River APN1	CH-53E FTD Miramar APN7	MV-22B FTD Camp Pendleton APN1	MV-22B FTD K-Bay APN1	UH-1Y FTD Futenma APN1			AH-1Z FTD Futenma APN1
UH-1Y FTD Camp Pendleton APN1	MV-22B FTD Miramar APN1	UH-1Y FFS Camp Pendleton APN1	MV-22B FTD Futenma APN1	UH-1Y FTD New River APN1	AH-1Z FTD New River APN1			
	MV-22B FTD Miramar APN1		MV-22B FTD Okinawa APN1	AH-1Z FFS Camp Pendleton APN1				

All Dates Reflect the Procurement Year

Legacy Simulator Upgrades

FY 03	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09
KC-130 WST (2) Miramar	AH-1W WST (3) CamPen/ N.R.		CH-53E WST (5) N.R.	CH-53E WST (5) Miramar	Network Training Enhancements	Network Training Enhancements
	CH-53D OFT (4) K-Bay			AV-8B WST (6) Yuma	MV-22 FFS/FTD (6) N.R.	MV-22 FFS/FTD (6) N.R.
				WestPac APTs (7) Okinawa		
				Baseline Configuration Upgrade		

Green – Funded

Red – Unfunded

(2) Upgrades visual display system and common visual database.

(3) Upgrades visual display system, common visual database, CPU rehost, tactics baseline update (TEN).

(4) Upgrades visual display system, image generator, and aero model aural cueing.

(5) Upgrades visual display system and tactics baseline update (TEN).

(6) Upgrades visual display system and CPU rehost.

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